RISO, INC. TECHNICAL INFORMATION BULLETIN

Subject: DIGITIZER III - TECHNICAL NOTES **BULLETIN NO.: 109**

[ ] Factory Modification **[ ] Field Modification** **[ ] Safety Information** **[ ] Technical Information** **[ ] General Information** **[X] Adv. Tech Information**	**Applies to:** **RA SERIES** **5900**	**Modification Schedule:** **[ ] TBS** **[ ] Next Call** **[ ] Next PM** **[X] As Necessary**	**Factory Installed_____** **Field Installed_____** **FittingTime _____**

UPON INSTALLATION, IN SOME INSTANCES, IT HAS BEEN NOTICED THAT THE DIGITIZER MAY APPEAR TO BE DEAD-ON-ARRIVAL. A SIMPLE CHECK OF THE LOGIC IN ONE OF THE FOLLOWING AREAS MAY RECTIFY A SITUATION, PRIOR TO SENDING A UNIT BACK FOR WARRANTY OR REPAIR.

AT SYSTEM POWER UP, THE LIQUID CRYSTAL DISPLAY SHOULD EXHIBIT THE TIME AND DATE AUTOMATICALLY. THE DISPLAY MAY OCCASIONALLY COME UP IN JAPANESE, SO CHECK “SW1” FOR CORRECT POSITIONING. ENGLISH MESSAGE READINGS ARE AVAILABLE AT POSITION #1.

SYMPTOM #1

HORIZONTAL AND VERTICAL POSITIONING MALFUNCTIONS:

“SW3” AND “SW4” MUST BE SET AT POSITION #8 FOR THE INITIAL REFERENCE. THESE SWITCHES ARE USED TO POSITION THE HORIZONTAL AND VERTICAL POSITIONING OF THE TABLET, IN REFERENCE TO THE ADJUSTMENT SHEET, FOUND AS AN ENCLOSURE TO THE DIGITIZER III USER GUIDE. IN EACH POSITION OF SW3 AND SW4, THE IMAGE SHIFT RANGE IS 0.5mm PER STEP. IF IT IS DETERMINED THAT THE SHIFTED RANGE EXPERIENCED IS SOMEWHERE BETWEEN 2-4mm, WHEN ADJUSTING THE ACCURACY OF A SPECIFIED AREA, CHECK RESISTOR PACK “RA3” ON THE DIGITIZER BOARD FOR PROPER ORIENTATION. IF IT IS FOUND TO BE SOLDERED IN THE WRONG LOCATION, PLEASE SEND THE DIGITIZER BOARD BACK FOR REPAIR.

SYMPTOM #2

BLANK DISPLAY OR COMMUNICATIONS ERROR MESSAGE ON LCD:

DUE TO VIBRATIONS EXPERIENCED IN TRANSPORTATION, BOTH THE ROM’s AND/OR THEIR SOCKETS MAY HAVE BEEN LIFTED, BREAKING THE CIRCUIT AND CAUSING DISPLAY PROBLEMS. CHECK THE SOCKETS ON THE DIGITIZER BOARD FOR FAILURES IN THESE AREAS. IF IT IS DETERMINED THAT THE SOCKET REQUIRES REWORK, SEND THE DIGITIZER BOARD IN FOR REPAIR.

SYMPTOM #3

“LCD” DISPLAY BLINKS:

A LOGIC PROBLEM (POOR SOLDER JOINT) EXISTS ON THE DIGITIZER BOARD, AND IT MUST BE SENT BACK TO RISO FOR REPAIR.

NOTE: DIGITIZERS THAT EXHIBIT SYMPTOM #1 MAY FALL WITHIN THE FOLLOWING S/N’s:

#09930536, 542, 544-554, 556-567, 569-574, 576-583, 585, 587-589, 592, 593, 597, 589, 600, 601, 605, 607, 609, 613-618, 621, 622, 628, 630, 631, 633, 637, 641-643, 646, 657, 659, 661, 665, 666, 668, 670, 672, 675, 682, 683, 694, 697, 699, 700, 705, 708, 712, 718-720, 723